

## **REQUEST**

Rec'd PCT/PTO	25 only	MAR	2005
International Application No.			
International Filing Date			
Name of receiving Office and "DCT International A		''	

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.	Name of receiving Office and "PCT International Application"				
	Applicant's or agent's file reference (if desired) (12 characters maximum) H52 437 C10				
Box No. I TITLE OF INVENTION	· · · · · · · · · · · · · · · · · · ·				
MOLECULAR IDENTIFICATION OF BACTERIA OF GENU	S STREPTOCOCCUS AND F	RELATED GENERA			
Box No. II APPLICANT	This person is also inventor				
Name and address: (Family name followed by given name; for a leg The address must include postal code and name of country. The countr Box is the applicant's State (that is, country) of residence if no State of r					
UNIVERSITE DE LA MEDITERRANEE (Aix-Marseille II) Jardin du Pharo 58 boulevard Charles Livon	Facsimile No.				
F-13284 MARSEILLE cedex 07 FRANCE		Teleprinter No.			
		Applicant's registration No. with the Office			
State (that is, country) of nationality: FRANCAISE	State (that is, country) of re-	sidence: FRANCE			
		Inited States the States indicated in the Supplemental Box			
Box No. III FURTHER APPLICANT(S) AND/OR (FURTH	IER) INVENTOR(S)				
Name and address: (Family name followed by given name; for a leg The address must include postal code and name of country. The countr Box is the applicant's State (that is, country) of residence if no State of r  CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) 3 rue Michel Ange F-75794 PARIS cedex 16 FRANCE					
		Applicant's registration No. with the Office			
State (that is, country) of nationality: FRANCAISE	State (that is, country) of reside	FRANCE			
		United States the States indicated in the Supplemental Box			
Further applicants and/or (further) inventors are indicated on a cont	inuation sheet.				
Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE					
The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:					
Name and address: (Family name followed by given name; for a lego designation. The address must include postal co	an emily, jan ojjielai	Telephone No. 04 91 76 55 30			
DOMANGE Maxime	·				
CABINET BEAU DE LOMENIE					
232, avenue du Prado					
F-13295 MARSEILLE CEDEX 08					
France		Facsimile No. 04 91 77 97 09 Teleprinter No.			
		Agent's registration No. with the Office			
Address for correspondence: Mark this check-box where no a instead to indicate a special address to which correspondence shou	gent or common representative is/hild be sent.	nas been appointed and the space above is used			

Continuation of Box No. III HER APPLICANT(S)	AND/OR (FURTHER) INVEN				
If none of the following sub-boxes is used, this sheet should not be	e included in the request.				
Name and address: (Family name followed by given name; for a legal The address must include postal code and name of country. The country Box is the applicant's State (that is, country) of residence if no State of restriction of the Country of the	of the address indicated in this				
State (that is, country) of nationality:	State (that is, country) of residence:				
française  This person is applicant for all designated	FRANCE  ted States except the United States the States indicated in the				
the purposes of:  all designated the United	States of America of America only the States indicated in the Supplemental Box				
Name and address: (Family name followed by given name; for a legal The address must include postal code and name of country. The country Box is the applicant's State (that is, country) of residence if no State of red DRANCOURT Michel  9 traverse de la Pauline F-13012 MARSEILLE FRANCE	of the address indicated in this				
State (that is, country) of nationality:  française	State (that is, country) of residence:  FRANCE				
	This person is applicant for all designated all designated States except the purposes of: all designated States all designated States except the United States of America only the United States of America only Supplemental Box				
Name and address: (Family name followed by given name; for a legal entity, full official designation.  The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)  This person is:  applicant only  applicant and inventor  inventor only (If this check-box is marked, do not fill in below Applicant's registration No. with the Official designation.  This person is:					
State (that is, country) of nationality:  State (that is, country) of residence:					
	the United States except the United States of America only the States indicated in the Supplemental Box				
Name and address: (Family name followed by given name; for a legal entity, full official designation.  The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)  This person is:  applicant only  applicant and inventor  inventor only (If this check-box is marked, do not fill in below.)  Applicant's registration No. with the Office					
State (that is, country) of nationality:  State (that is, country) of residence:					
	ated States except the United States of America only the States indicated in the Supplemental Box				
Further applicants and/or (further) inventors are indicated or	a another continuation sheet				

Box [	No. V	DESIGNATION	S A	1ark th	ne applicable check-boxes below; a	it le	E	must be marked.
The following designations are hereby made under Rule 4.9(a):								
Regi	onal :	Patent						
AP ARIPO Patent: GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, MZ Mozambique, SD Sudan, SL Sierra Leone, SZ Swaziland, TZ United Republic of Tanzania, UG Uganda, ZM Zambia, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT (if other kind of protection or treatment								
×	desired, specify on dotted line)  EA Eurasian Patent: AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the BCT.							
$\boxtimes$	EP	of the Eurasian Patent Convention and of the PCT  European Patent: AT Austria, BE Belgium, BG Bulgaria, CH & LI Switzerland and Liechtenstein, CY Cyprus,						
European Patent: AT Austria, BE Belgium, BG Bulgaria, CH & LI Switzerland and Liechtenstein, CY Cyprus, CZ Czech Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, HU Hungary, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, RO Romania, SE Sweden, SI Slovenia, SK Slovakia, TR Turkey, and any other State which is a Contracting State of the European Patent Convention and of the PCT  OA OAPI Patent: BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, GQ Equatorial Guinea, GW Guinea-Bissau, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (if other kind of protection or treatment desired, specify on dotted line)								
Natio	nal P	atent (if other kind of protection o	r tred	itment	desired specify on dotted line):			
$\boxtimes$	AE AG AL	United Arab Emirates Antigua and Barbuda Albania Armenia		HU ID	Croatia Hungary Indonesia	$\boxtimes$	OM PG PH PL	Oman Papua New Guinea Philippines
岗	AT	Austria	岗	IL IN IS JP	Israel India	X	PT	PolandPortugal
Ħ	AU	Australia	Ħ	IS	Iceland	岗	RO	Romania
$\boxtimes$	ΑZ	Azerbaijan	Ħ	JP	Japan	$\boxtimes$	RU	Russian Federation
$\boxtimes$	BA	Bosnia and Herzegovina	$\boxtimes$	KE	Kenya			
	BB	Barbados	$\boxtimes$	KG KP	Kyrgyzstan Democratic People's		SC SD	Seychelles Sudan
岗	BG BR	Bulgaria Brazil	$\boxtimes$	KR	Republic of KoreaRepublic of Korea		SE SG	Sweden Singapore
X	BY	Belarus		KZ	Kazakhstan	×	SK	Slovakia
Ħ	BZ	Belize	X	LC	Saint Lucia	×	SL	Sierra Leone
$\boxtimes$	CA	Canada	$\boxtimes$	LK	Sri Lanka	$\overline{\boxtimes}$	SY	Syrian Arab Republic
$\boxtimes$	CH &	LI Switzerland and	M	LR	Liberia	$\boxtimes$	TJ	Tajikistan
_		Liechtenstein	$\boxtimes$	LS	Lesotho Lithuania Luxembourg Latvia	$\boxtimes$	TM	Turkmenistan
$\boxtimes$	CN	China	×	LT	Lithuania	×	TN	Tunisia
X	CO CR	Colombia	X	LU	Luxembourg	$\boxtimes$	TR TT	TurkeyTrinidad and Tobago
岗	CU	Costa Rica Cuba	X	MA	Morocco		11	Timidad and Tobago
	CZ	Czech Republic	ă	MD	Republic of Moldova	$\boxtimes$	TZ	United Republic of Tanzania
Ħ	DE	Germany				$\boxtimes$		Ukraine
$\boxtimes$	DK	Denmark	$\boxtimes$	MG	Madagascar	$\overline{\boxtimes}$	UG	Uganda
$\boxtimes$	DM	Dominica	$\boxtimes$		The former Yugoslav	$\boxtimes$	US	United States of America
$\boxtimes$	DZ	Algeria			Republic of Macedonia			
$\boxtimes$	EC	Ecuador	_			$\boxtimes$	$\mathbf{UZ}$	Uzbekistan
$\bowtie$	EE	Estonia	$\boxtimes$		Mongolia	$\boxtimes$	VC	Saint Vincent and the
×	ES	Spain	$\boxtimes$	MW	Malawi			Grenadines
띯	FI	Finland		MX	Mexico	Ø	VN	Viet Nam
씱	GB	United Kingdom	X		Mozambique	Ø	YU	
X	GD GE	Grenada Georgia	$\bowtie$	NI NO	Nicaragua Norway	$\boxtimes$	ZA ZM	South AfricaZambia
ᄶ		Ghana	×	NZ	New Zealand		ZW	
		Gambia		112	New Zearand		2**	Zimbabwe
Check house and for defined a Constant high house and a DOT O 1								
Check-boxes reserved for designating States which have become party to the PCT after issuance of this sheet:								
Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all								

Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except the designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)

Box No. VI PRIORITY CLAIM					
The priority of the following earlier application(s) is hereby claimed:					
Filing date	Number		Where earlier applicatio	on is:	
of earlier application (day/month/year)	of earlier application	national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office	
item (1) 5 november 2002	02/13792	FRANCE			
item (2)					
item (3)					
item (4)					
item (5)					
Further priority c	laims are indicated in the S	Supplemental Box.			
The receiving Office is (only if the earlier appli Office) identified above a	ication was filed with the	ransmit to the International Office which for the purp	al Bureau a certified copy of oses of this international ap	f the earlier application(s) oplication is the receiving	
all items 🔀 it	tem (1) item (2)	item (3)	item (4) item (5	other, see Supplemental Box	
*Where the earlier application is an ARIPO application, indicate at least one country party to the Paris Convention for the Protection of Industrial Property or one Member of the World Trade Organization for which that earlier application was filed (Rule 4.10(b)(ii)):					
Box No. VII INTERN	ATIONAL SEARCHING	G AUTHORITY			
international search, indica	al Searching Authority ( ate the Authority chosen; the t	two-letter code may be used):		es are competent to carry out the	
			earch has been carried out by o	or requested from the International	
Date (day/month/year)	Number		Country (or regional Off	fice)	
23 september 2003		FA 633713		FRANCE •	
Box No. VIII DECLARATIONS					
The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable check-boxes below and indicate in Number of the right column the number of each type of declaration):					
Box No. VIII (i) Declaration as to the identify of the inventor :					
Box No. VIII (ii)	Box No. VIII (ii)  Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent:				
Box No. VIII (iii)  Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application:					
Box No. VIII (iv)	Box No. VIII (iv)  Declaration of inventorship (only for the purposes of the designation of the United States of America):  1				
Box No. VIII (v) Declaration as to non-prejudicial disclosures or exceptions to lack of novelty:					

Box No. VIII (iv) INVENTORSHIP (only for the purposes of the designation of the United States of America) DECLARATIO

The declaration must conform to the following standardized wording provided for in Section 214; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No. VIII (iv). If this Box is not used, this sheet should not be included in the request.

	on of the United States of America:				
	inventor is listed below) or joint (if more than one inventor is listed below)				
This declaration is directed to the international application of which it forms a part (if filing declaration with application).					
This declaration is directed to international application No. PCT/	(if furnishing declaration pursuant to				
I hereby declare that my residence, mailing address, and citizenship are as	s stated next to my name.				
application. I have identified in the request of said application, in complia below, under the heading "Prior Applications," by application number, co- filing, any application for a patent or inventor's certificate filed in a count	the above-identified international application, including the claims of said since with PCT Rule 4.10, any claim to foreign priority, and I have identified puntry or Member of the World Trade Organization, day, month and year of try other than the United States of America, including any PCT internationals of America, having a filing date before that of the application on which				
Prior Applications	······································				
I hereby acknowledge the duty to disclose information that is known by for continuation-in-part applications, material information which becan international filing date of the continuation-in-part application.  I hereby declare that all statements made herein of my own knowledge ar be true; and further that these statements were made with the knowledge	me to be material to patentability as defined by 37 C.F.R. § 1.56, including the available between the filing date of the prior application and the PCT the true and that all statements made on information and belief are believed to that willful false statements and the like so made are punishable by fine or the code and that such willful false statements may jeopardize the validity of				
Name: RAOULT Didier					
Residence: F-13008 MARSEILLE (city and either US state, if applicable, or country)  Mailing Address: 16 rue de Lorraine					
Citizenship:française					
Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	Date: (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)				
Name: DRANCOURT Michel					
Residence: F-13012 MARSEILLE (city and either US state, if applicable, or country)					
Mailing Address: 9 traverse de la Pauline					
13012 MARSEILLE / FRANCE					
Inventor's Signature:  (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	Date:  (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)				
This declaration is continued on the following sheet, "Continua	ation of Box No. VIII (iv)".				

Box No. IX CHECK LIST; LANGUAGE OF FILING				
This international application contains:	This international application is accompanied by the following Numbitem(s) (mark the applicable check-boxes below and indicate in of item			
(a) in paper form, the following number of sheets:	right column the number of each item):			
request (including declaration sheets) : 6 description (excluding sequence listings and/or tables related thereto) : 49 claims : 7 abstract : 1	<ol> <li>fee calculation sheet</li> <li>original separate power of attorney</li> <li>original general power of attorney</li> <li>copy of general power of attorney; reference numif any:         <ul> <li>statement explaining lack of signature</li> <li>priority document(s) identified in Box No. VI as</li> </ul> </li> </ol>	:		
drawings : 1  Sub-total number of sheets : 64 sequence listings : 32	item(s):  7. translation of international application into (language):			
tables related thereto  (for both, actual number of sheets if filed in paper form, whether or not also filed in computer readable form; see (c) below)  Total number of sheets : 96	<ul> <li>8.  separate indications concerning deposited microorganism or other biological material</li> <li>9.  sequence listing in computer readable form (indicatype and number of carriers)</li> <li>(i) copy submitted for the purposes of internation search under Rule 13ter only (and not as part the international application)</li> </ul>	nal		
(b) ☐ only in computer readable form (Section 801(a)(i))  (i) ☐ sequence listings  (ii) ☐ tables related thereto  (c) ☒ also in computer readable form	<ul> <li>(ii) ☐ (only where check-box (b)(i) or (c)(i) is marked in left column) additional copies including, we applicable, the copy for the purposes of international search under Rule 13ter</li> <li>(iii) ☐ together with relevant statement as to the ider</li> </ul>	rhere :		
(Section 801(a)(ii)) (i) ⊠ sequence listings (ii) □ tables related thereto  Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are contained the	of the copy or copies with the sequence listing mentioned in left column  10.  tables in computer readable form related to seque listings (indicate type and number of carriers)  (i)  copy submitted for the purposes of internation search under Section 802(b-quater) only (and as part of the international application)	: ence nal		
□ sequence listings:1 disc     □ tables related thereto     (additional copies to be indicated under item 9(ii), in right column)	<ul> <li>(ii) ☐ (only where check-box (b)(ii) or (c)(ii) is mar in left column) additional copies including, wapplicable, the copy for the purposes of international search under Section 802(b-qualitie) ☐ together with relevant statement as to the ider copy or copies with the tables mentioned in left in the copy of the purposes of the copy of t</li></ul>	ter) :		
Figure of the drawings which	Language of filing of the			
Should accompany the abstract: international application: francais  Box No. X SIGNATURE OF APPLICANT, AGENT OR COMMON REPRESENTATIVE  Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).  Maxime DOMANGE  CABINET BEAU DE LOMENI				
For receiving Office use only				
Date of actual receipt of the purported international application:	1.000	2. Drawings:		
<ol><li>Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:</li></ol>		received:		
Date of timely receipt of the required corrections under PCT Article 11(2):     International Searching Authority	6 Transmittal of search copy delayed	not received:		
(if two or more are competent): ISA /	until search fee is paid			
Date of receipt of the record copy	For International Bureau use only			
by the International Bureau:				

Feuille nº 3...

Rec'd PCT/PTO 25 MAR 2005

Cadre nº VIII.iv) DÉCLARATI

QUALITÉ D'INVENTEUR

CT/FR2003/003293

(seulement aux ims de la désignation des États-Unis d'Amérique)

La déclaration doit être conforme un libellé standard suivant prévn à l'instruction 214; voir les notes relatives aux caulres nº VIII, VIII.i) à v) (généralités) et les notes spécifiques au cadre n° VIII.iv). Si ce çadre n'est pas utilisé, cette feuille ne doit pus être incluse dans la requête,

à v) (generalites) et les notes specifiques au cadre n° VIII.iv). Si ce cadre n	est pas utitise, cette jeuitte ne doit pas être incluse dans la requête.			
Déclaration relative à la qualité d'invente aux fins de la désignation des l				
Par la présente, je déclare que je crois être le premier inventeur origin l'un des premiers coïnventeurs (si plusieurs inventeurs sont mentionr demandé.	al et unique (si un seul inventeur est mentionné ci-dessous) ou iés ci-dessous) de l'objet revendiqué pour lequel un brevet est			
La présente déclaration a trait à la demande internationale dont elle fa	ait partic (si la déclaration est déposée avec la demande).			
La présente déclaration a trait à la demande internationale n° PCT/ en vertu de la règle 26 <i>1er</i> ).	(si la déclaration est remise			
Par la présente, je déclare que mon domicile, mon adresse postale et	ma nationalité sont tels qu'indiqués près de mon nom.			
Par la présente, je déclare avoir passé en revue et comprendre le contenu de la demande internationale à laquelle il est fait référence ci-dessus, y compris les revendications de ladite demande. J'ai indiqué dans la requête de ladite demande, conformément à la règle 4.10 du PCT, toute revendication de priorité d'une demande étrangère et j'ai identifié ci-dessous, sous l'intitulé "Demandes antéricures", au moyen du numéro de demande, du pays ou du membre de l'Organisation mondiale du commerce, du jour, du mois et de l'année du dépôt, toute demande de brevet ou de certificat d'auteur d'invention déposée dans un pays autre que les États-Unis d'Amérique, y compris toute demande internationale selon le PCT désignant au moins un pays autre que les États-Unis d'Amérique, dont la date dépôt est antérieure à celle de la demande étrangère dont la priorité est revendiquée.				
Demandes antérieures :				
Par la présente, je reconnais l'obligation qui m'est faite de divulguer quant à la brevetabilité de l'invention, tels qu'ils sont définis dans le T en ce qui concerne les demandes de continuation-in-part les renseign dépôt de la demande antérieure et la date du dépôt international de la	itre 37, § 1.56, du Code fédéral des réglementations, y compris, ements pertinents qui sont devenus accessibles entre la date de			
Je déclare par la présente que toute déclaration ci-incluse est, à ma co de renseignements ou de suppositions est tenue pour véridique; et de que toute fausse déclaration volontaire ou son équivalent est passible la Section 1001 du Titre 18 du Code des États-Unis, et que de telles d'validité de la demande de brevet ou du brevet délivré à partir de celle	e plus, que toutes ces déclarations ont été formulées en sachant d'unc amende ou d'une incarcération, ou des deux, en vertu de éclarations volontairement fausses risquent de compromettre la			
PAOLII T Didior				
E 19009 MARIO EU LE				
40				
13008 MARSEILLE / FRANCE	•••••••••			
Nationalité : française				
Signature de l'inventeur : (si elle ne figure pas dans la requête, ou si la déclaration à fait l'objet de corrections ou d'adjonctions en vertu de la règle 26ter après le dépôt de la demande internationale. La signature doit être celle de l'inventeur, il ne peut s'agir de celle du mandataire)	Date: 19-10.05  (de la signature qui ne figure pas dans la requête, ou de la déclaration qui a fait l'objet de corrections ou d'adjonctions en vertu de la règle 26ter après le dépôt de la demande internationale)			
Nom : DRANCOURT Michel				
Domicile: F - 13012 MARSEILLE				
(ville et État (des États-Unis d'Amérique), le cas échéant, ou pays)	~			
Adresse postale: 9 traverse de la Pauline 13012 MARSEILLE / ERANCE,	•••••••••••••••••••••••••••••••••••••••			
Nationalité : française				
Signature de l'inventeur :  (si elle ne figure pas dans la requête ou si la déclaration a fait l'objet de corrections ou d'adjonctions en vertu de la règle 20ter après le dépôt de la denande internationale. La signature doit être celle de l'inventeur, il ne peut s'agit de celle du mandataire)	Date: 29 Octom 203  (de la signature qui ne figure pas dans la requête, ou de la déclaration qui a fait l'objet de corrections ou d'adjonctions en vertu de la règle 26ter après le dépôt de la demande internationale)			